MFOQA-101

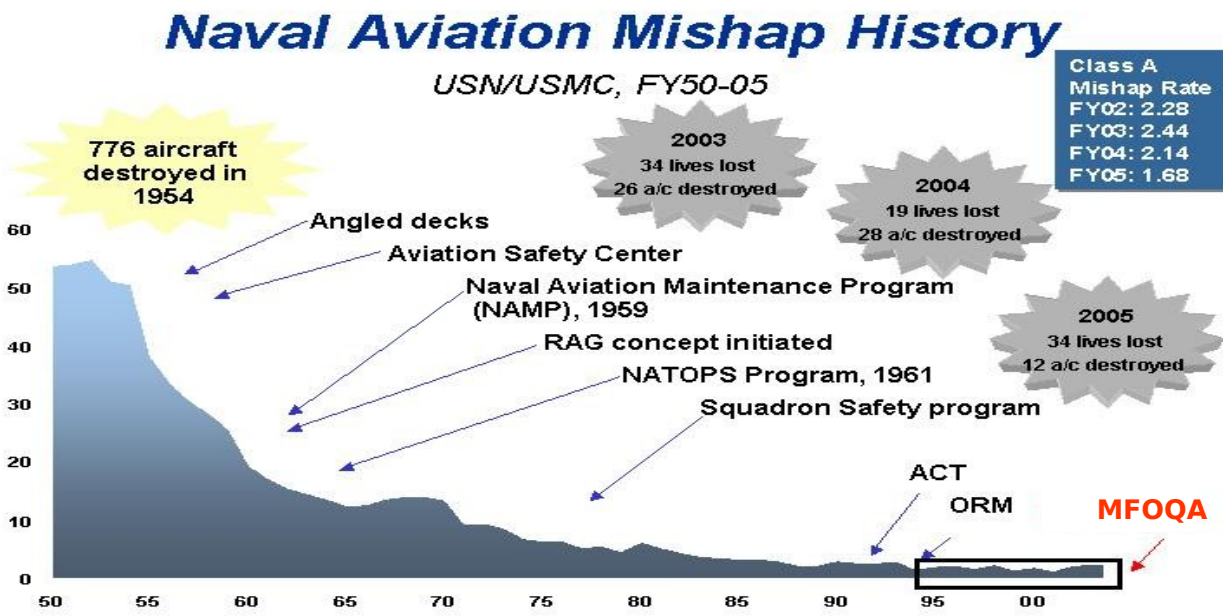
Please email inquiries to

PMA209.Webmaster@navy.mil

Military Flight Operations Quality Assurance (MFOQA)

MFOQA will *proactively* use aircraft flight data to provide timely information to help decision makers reduce operational risk.

- **Preventable mishaps continue to occur with increasing cost per mishap. New methods of addressing human causal factors are required to break through a 10-year floor in mishap rates. Senior leadership's focus is to significantly reduce preventable mishaps.**
- **MFOQA will address problems that have historically led to mishaps *before* they occur.**



SAFETY DIRECTIVES

SECNAV 75% mishap reduction by 2008 *(Navy Safety Campaign Plan 2005-2006)*

CNAF goal for mishap reduction (*CNAF N8 23 Nov 04 Memo*)

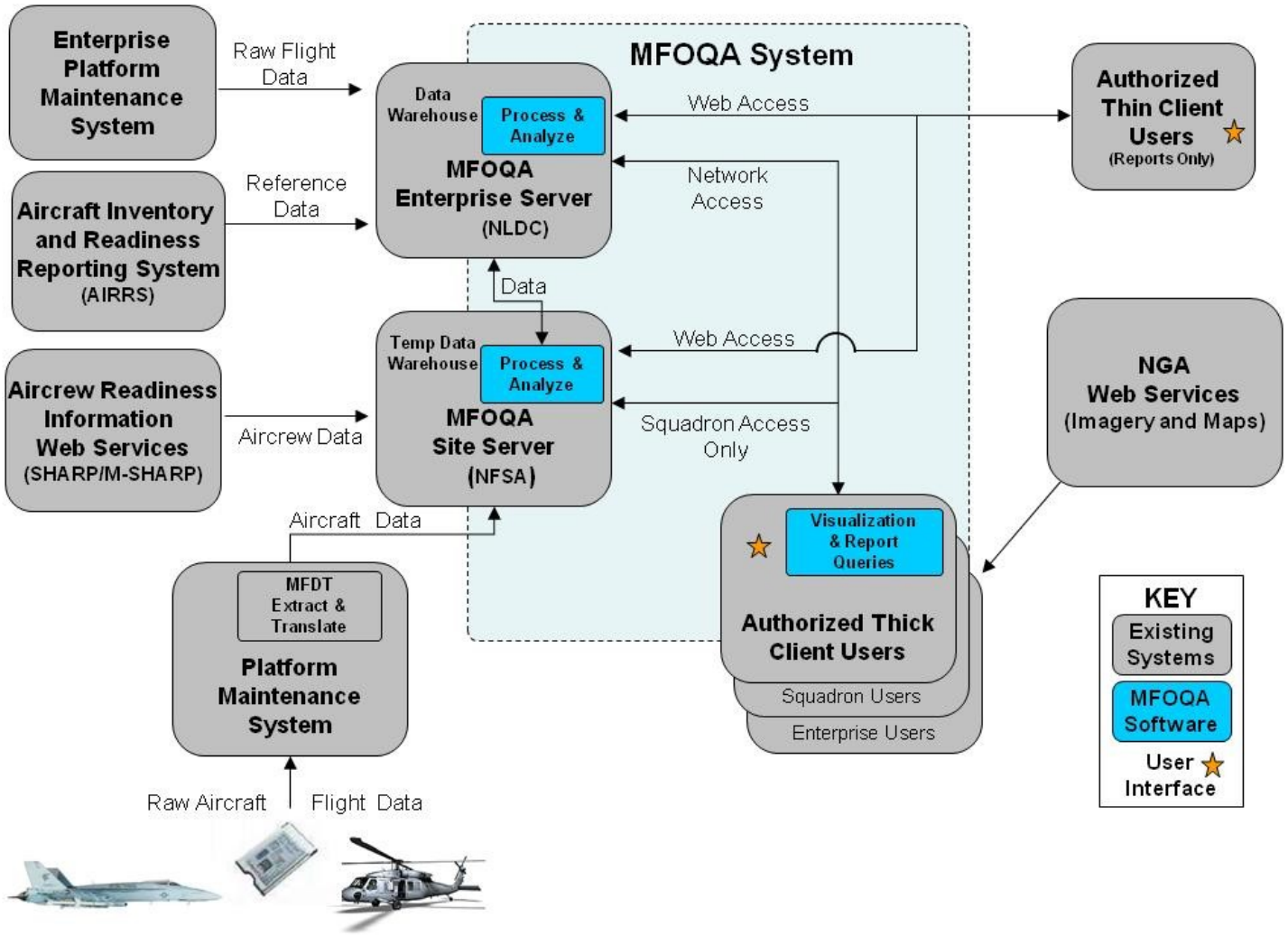
Include an MFOQA capability *(OSD 11 Oct 05 & SECNAV 2 Feb 06 Memos)*

OPNAVINST 13210.1 *(Policy for A/C Safety System Avionics)*

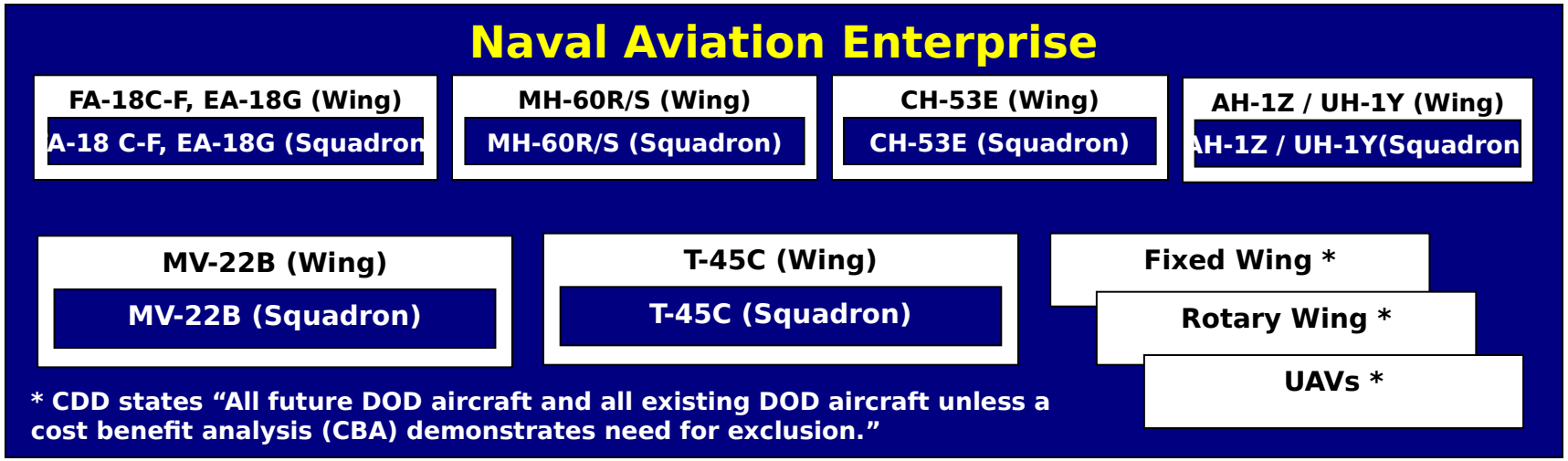
Requirements

- Capabilities Development Document (Serial # 699-88-06, 6 Sep 06)
  - MFOQA is a software-based knowledge management and a software-based process that will be hosted on existing DoD computers and servers
  - MFOQA will analyze aircraft-recorded flight data and make the results immediately available to aircrew and maintenance personnel after every flight
  - MFOQA will provide aggregate data to every level of leadership and will provide a proactive approach to identify hazardous human errors and failing components so they can be corrected before they lead to an aircraft mishap or costly maintenance failure
  - MFOQA analyses have the potential to dramatically reduce the flight mishap rate and increase readiness across the full range of military aviation operations
  - MFOQA will identify enterprise-wide trends that will lead to greater efficiencies in Maintenance, Operations, Safety, and Training (MOST)

System Overview



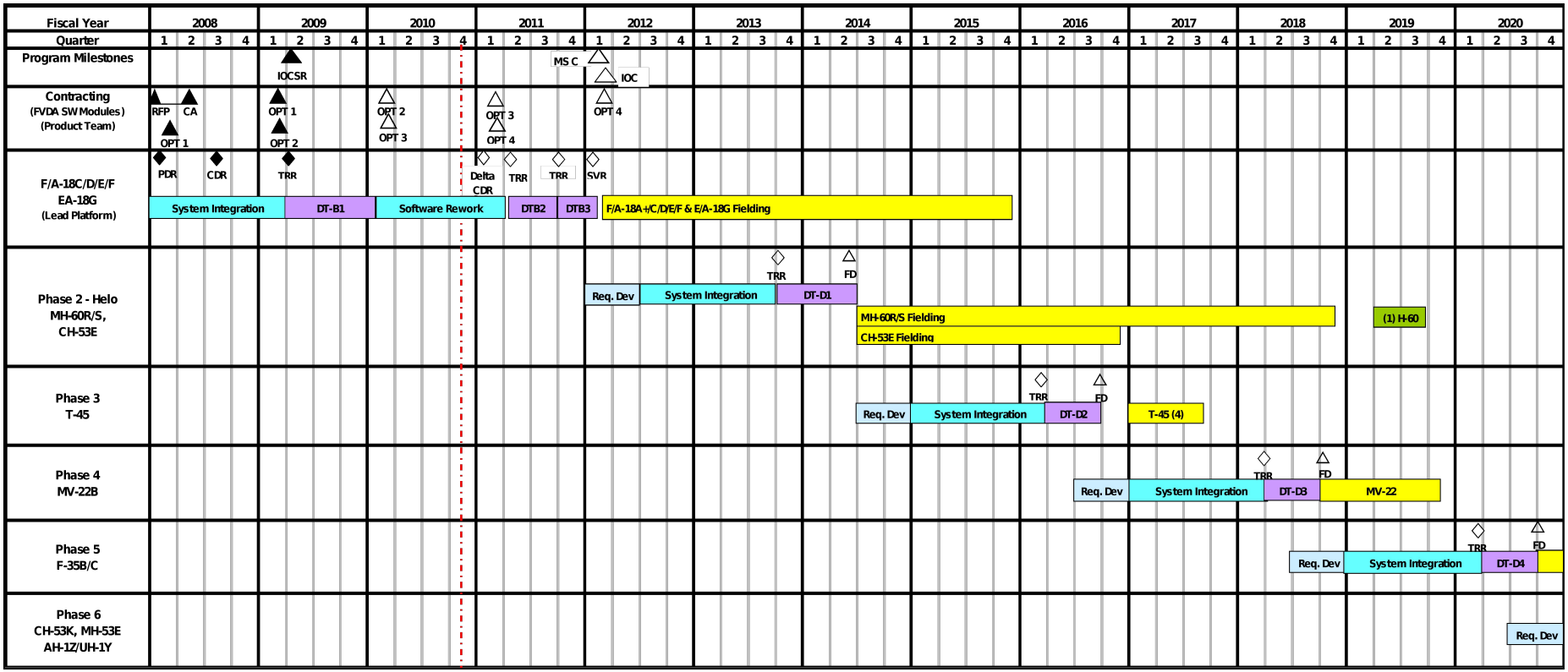
MFOQA Objective



MFOQA – An Enterprise Wide Solution

- One common tool used across the entire Naval Aviation Enterprise
  - Squadron: Enhancement/efficiencies in maintenance, safety, operations and training
  - Wing: Track maintenance, safety, operations and training
  - NAE: Enterprise wide analysis and decision making
- No additional hardware required
  - Software resides on NMCI / Marine Internet / IT21 / ONE-NET workstations and NFSA enterprise servers
- Complements currently deployed systems (AME, IVHM, etc)

MFOQA Milestone Schedule



MS C: Milestone C; decision point to field MFOQA

IOC: Initial Operational Capability

PDR: Preliminary Design Review

CDR: Critical Design Review

Delta CDR: Delta Critical Design Review; to address changes in program requirements

IOCSR: Initial Operational Capability Supportability Review

TRR: Test Readiness Review

SVR: System Verification Review

DT: Developmental Test

FD: Fielding Decision

Current as of 13 AUG 1
0

Contact Us

Please email inquiries to

PMA209.Webmaster@navy.mil